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PATENT
REPLY FILED UNDER EXPEDITED
PROCEDURE PURSUANT TO
37 CFR § 1.116

## Amendments to the Specification:

Page 7, second paragraph, please replace equation (8) with the following rewritten equation:

$$v(t) = \frac{d}{dt}\left(\frac{fNi(t)}{\Re}\right)$$

$$\text{Since } L\frac{d}{dt}[i(t)] = sL[i(t)] - i(0) \text{ and } i(0) = 0$$

$$V(s) = \frac{sfNI(s)}{\Re}$$

Page 10, first paragraph, please replace equation (17) with the following corrected equation:

$$V_m(t) = f\sqrt{\frac{2W}{\Re}}\,\omega\,\tau_L\left(4\omega^2\tau_L^2 - 1\right).$$

$$\frac{\left(e^{-\frac{t}{2\tau_L}}\cos(\beta) + \dfrac{e^{-\frac{t}{2\tau_L}}(2\tau_L\tau_m\omega^2 - 1)\sin(\beta)}{\sqrt{4\omega^2\tau_L^2 - 1}} - e^{-\frac{t}{\tau_m}}\right)}{4\omega^4\tau_m^2\tau_L^3 + \omega^2(4\tau_L^3 - \tau_M^2\tau_L) + (\tau_m - \tau_L)};$$

$$\text{where } \beta \equiv \frac{1}{2}\sqrt{\frac{4\omega^2\tau_L^2 - 1}{\tau_L^2}}\,t.$$